

COMPARISON OF WATERSHED  
BOUNDARIES DELINEATION FOR  
KUANTAN RIVER BASIN

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## **SUPERVISOR'S DECLARATION**

I/We\* hereby declare that I/We\* have checked this thesis/project\* and in my/our\* opinion, this thesis/project\* is adequate in terms of scope and quality for the award of the Bachelor Degree in Civil Engineering

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I hereby declare that the work in this thesis is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously or concurrently submitted for any other degree at Universiti Malaysia Pahang or any other institutions.

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## LIST OF SYMBOLS

m	meter
km	kilometer

## **LIST OF ABBREVIATIONS**

ACWI	Advisory Committee on Water Information
ALOS	Advanced Land Observing Satellite
ASTER	Advanced Space Borne Thermal Emission and Radiometer
AVNIR-2	Advanced Visible and Near Infrared Radiometer type
AWiFS	Advanced Wide Field Sensor
CERES	Clouds and the Earth's Radiant Energy System
DEM	Digital Elevation Model
DID	Department of Irrigation and Drainage Malaysia
DSM	Digital Surface Model
DTA	Digital Terrain Model
DTM	Digital Terrain Model
FGDC	Federal Geographic Data Committee
FOV	Field Of View
GDEM	Global Digital Elevation Map
GIS	Geographical Information System
GNI	General Public License
IFOV	Instantaneous Field of View
InSAR	interferometric synthetic aperture radar
IRS	Indian Remote Sensing
JAXA	Japan Aerospace Exploration Agency
JERS-1	Japanese Earth Resources Satellite-1
JPL	Jet Propulsion Laboratory
KRB	Kuantan River Basin
LiDAR	Light Detection and Ranging
LISS	Linear Imaging Self-Scanning Sensor
LP DAAC	Land Processes Distributed Active Archive Center
MISR	Multangle Imaging Spectroradiometer
MODIS	Moderate Resolution Imaging Spectroradiometer
MOPITT	Measurements of Pollution in the Troposphere
MPK	Majlis Perbandaran Kuantan
NASA	National Aeronautics and Space Administration
NED	National Elevation Dataset
NGA	National Geospatial-Intelligence Agency
NIR	near infrared imagery

NRCS	Natural Resources Conservation Service
NRSA	National Remote Sensing Centre
PALSAR	Phase Array type L-band Synthetic Aperture Radar
PAN	panchromatic
PRISM	Panchromatic Remote Sensing Instrument for Stereo Mapping
SAR	Synthetic Aperture Radar
ScanSAR	Scan Synthetic Aperture Radar
SPOT	Satellite Pour l'Observation de la Terre
SRTM	Shuttle Radar Topographic Mission
SWIR	shortwave infrared
TIR	thermal infrared
TM	Thematic Mapper
US	United State
USDA	United State Department of Agriculture
VNIR	visible and near infrared
WiFS	Wide Field Sensor